



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
401 M Street, S.W.  
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date May 31, 2016			EPA Reg No./File Symbol 71910 - 2		Page 1 of 3
Applicant's/Registrant's Name & Address Thermacell Repellents, Inc., c/o Scientific Coordination, Inc., 4629 Cherry Valley Drive, Rockville, MD 20853			Product Thermacell® Mosquito Repellent		
Ingredient d-cis/trans allethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Product Chemistry 830.1550	Chemical Identity	See CSF	Thermacell Repellents, Inc.	OWN	
830.1650	Begin. Materials & Mfg Process	47142401	Thermacell Repellents, Inc.	OWN	
830.1670	Discussion of Formation of Impurities	47406401	Thermacell Repellents, Inc.	OWN	
830.1700	Preliminary Analysis	49135602	Endura S.p.A.	PER	
830.1750	Certification of Ingredient Limits	See CSF	Thermacell Repellents, Inc.	OWN	
830.1800	Analytical Method to Verify Certified Limits	47406401	Thermacell Repellents, Inc.	OWN	
830.6302	Color	47406401	Thermacell Repellents, Inc.	OWN	
830.6303	Physical State	47406401	Thermacell Repellents, Inc.	OWN	
830.6304	Odor	47406401	Thermacell Repellents, Inc.	OWN	
830.6313	Stability	49135604,05,06	Endura S.p.A.	PER	
830.6314	Oxidizing/Reducing Action	49135606	Endura S.p.A.	PER	
830.6315	Flammability	47406401	Thermacell Repellents, Inc.	OWN	
830.6316	Explosibility	47406401	Thermacell Repellents, Inc.	OWN	
830.6317	Storage Stability	48472601	Thermacell Repellents, Inc.	OWN	
830.6319	Miscibility	49135606	Endura S.p.A.	PER	
Signature <i>Timothy H. Dickens</i>			Name and Title Timothy H. Dickens, Ph.D., Authorized Agent		Date 05-31-16

Sent 5/31/16



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Ingredient d-cis/trans allethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6320	Corrosion Characteristics	48472601	Thermacell Repellents, Inc.	OWN	
830.6321	Dielectric Breakdown Voltage	47406401	Thermacell Repellents, Inc.	OWN	
830.7000	pH	47406401	Thermacell Repellents, Inc.	OWN	
830.7100	Viscosity	47406401	Thermacell Repellents, Inc.	OWN	
830.7200	Melting Point	49135603	Endura S.p.A.	PER	
830.7220	Boiling Point	49135603	Endura S.p.A.	PER	
830.7300	Density	47406401	Thermacell Repellents, Inc.	OWN	
830.7370	Dissociation Constant	49135606	Endura S.p.A.	PER	
830.7550	Octanol/Water Partition Coefficient	49135602	Endura S.p.A.	PER	
830.7860	Solubility	49135603	Endura S.p.A.	PER	
830.7950	Vapor Pressure	49135603	Endura S.p.A.	PER	
Toxicology 870.1100	Acute Oral LD50 - Rat	63233, 90512, 122924, 41017101	Sumitomo	OLD	
870.1200	Acute Dermal LD50 - Rat/Rabbit	63235, 90515, 41017102	Sumitomo, MGK, Sumitomo	OLD	
870.1300	Acute Inhalation LC50 - Rat	90519, 90519, 90520 41017103	MGK, Sumitomo	OLD	
870.2400	Primary Eye Irritation - Rabbit	63236, 90523, 41017104	Sumitomo, MGK, Sumitomo	OLD	
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Ingredient d-cis/trans allethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.2500	Primary Dermal Irritation	63236, 90523, 41017104	Sumitomo, MGK, Sumitomo	OLD	
870.2600	Dermal Sensitization	63237, 90524, 41017105	Sumitomo, MGK, Sumitomo	OLD	
Efficacy 810.3400	ThermaCell Area Repellent Field Test Report.	47142402 <i>Remove</i>	Thermacell Repellents, Inc.	OWN	
810.3400	Field Test Evaluation of the Control and Repellent Efficacy of a Heated d-Allethrin Mat Against Caged and Free Flying Mosquitoes. <i>OK</i>	49357001 <i>Aedes</i>	Thermacell Repellents, Inc.	OWN	
810.3400	Field Testing of Area Repellent Against Black Flies.	47142404 <i>Remove</i>	Thermacell Repellents, Inc.	OWN	
810.3400	Analysis of Thermacell 4-hour d-allethrin mat performance against free-flying Aedes mosquitoes		Thermacell Repellents, Inc.	OWN	Submitted 04-11-16
830.XXXX	Thermacell Back Packer Mosquito Repellent Representative Device Temperature Data	49879601 <i>OK</i>	Thermacell Repellents, Inc.	OWN	
Signature <i>Timothy H. Dickens</i>			Name and Title Timothy H. Dickens, Ph.D., Authorized Agent		Date 05-31-16



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Product Chemistry 830.1550	Chemical Identity	See CSF	Thermacell Repellents, Inc.	OWN	
830.1650	Begin. Materials & Mfg Process	47142401	Thermacell Repellents, Inc.	OWN	
830.1670	Discussion of Formation of Impurities	47406401	Thermacell Repellents, Inc.	OWN	
830.1700	Preliminary Analysis	NA	NA	FOR	
830.1750	Certification of Ingredient Limits	See CSF	Thermacell Repellents, Inc.	OWN	
830.1800	Analytical Method to Verify Certified Limits	47406401	Thermacell Repellents, Inc.	OWN	
830.6302	Color	47406401	Thermacell Repellents, Inc.	OWN	
830.6303	Physical State	47406401	Thermacell Repellents, Inc.	OWN	
830.6304	Odor	47406401	Thermacell Repellents, Inc.	OWN	
830.6313	Stability	NA	NA	FOR	
830.6314	Oxidizing/Reducing Action	47406401	Thermacell Repellents, Inc.	OWN	
830.6315	Flammability	47406401	Thermacell Repellents, Inc.	OWN	
830.6316	Explodability	47406401	Thermacell Repellents, Inc.	OWN	
830.6317	Storage Stability	48472601	Thermacell Repellents, Inc.	OWN	
830.6319	Miscibility	47406401	Thermacell Repellents, Inc.	OWN	
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830.7100	Viscosity	47406401	Thermacell Repellents, Inc.	OWN	
830.7200	Melting Point	NA	NA	FOR	
830.7220	Boiling Point	NA	NA	FOR	
830.7300	Density	47406401	Thermacell Repellents, Inc.	OWN	
830.7370	Dissociation Constant	NA	NA	FOR	
830.7550	Octanol/Water Partition Coefficient	NA	NA	FOR	
830.7860	Solubility	NA	NA	FOR	
830.7950	Vapor Pressure	NA	NA	FOR	
Toxicology 870.1100	Acute Oral LD50 - Rat	63233, 90512, 122924, 41017101	Sumitomo	OLD	
870.1200	Acute Dermal LD50 - Rat/Rabbit	63235, 90515, 41017102	Sumitomo, MGK, Sumitomo	OLD	
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Efficacy 810.3400	ThermaCell Area Repellent Field Test Report.	47142402	Thermacell Repellents, Inc.	OWN	
810.3400	Field Test Evaluation of the Control and Repellent Efficacy of a Heated d-Allethrin Mat Against Caged and Free Flying Mosquitoes.	49357001	Thermacell Repellents, Inc.	OWN	
810.3400	Field Testing of Area Repellent Against Black Flies.	47142404	Thermacell Repellents, Inc.	OWN	
810.3400	Analysis of Thermacell 4-hour d-allethrin mat performance against free-flying Aedes mosquitoes		Thermacell Repellents, Inc.	OWN	Submitted 04-11-16
830.XXXX	Thermacell Back Packer Mosquito Repellent Representative Device Temperature Data	49879601	Thermacell Repellents, Inc.	OWN	
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